

IBM PC Music Feature



Strike up the band in your PC

Maybe you've wanted to play jazz clarinet, rhythm guitar, or virtuoso violin. You can learn to play those sounds—make them harmonize—even create up to 333 more with the IBM PC Music Feature.

It's an advanced music synthesizer that brings musical abilities to IBM Personal Computers, IBM Personal Computer AT® systems, IBM Personal Computer XT™ systems, the IBM PC XT Model 286, as well as the IBM Personal System/2™ Model 30. The IBM PC Music Feature turns a personal computer system into musical instruments

suitable for use in schools and universities, at home and among professional musicians. Because it is installed within the system unit, the IBM PC Music Feature brings powerful, computer-controlled functions to music. Now musicians can compose, perform, record and play back music directly from their computer systems.

Dynamic musical sound can be created by adding a Musical Instrument Digital Interface (MIDI) keyboard, an amplifier and speakers, or even by using the computer keyboard and a pair of headphones. Sound quality is on a par with digital CD recordings.

With appropriate software, the IBM PC Music Feature allows you to use your computer to compose music, show the notes on-screen—even print them on an IBM printer. Play old favorites on the MIDI music keyboard—or let the computer play them from recordings stored on diskettes or fixed disks. And students can use a computer to appreciate—and learn—music by playing, performing and practicing at the keyboard.

Study, play and compose music with your PC. The IBM PC Music Feature is an affordable way to study music theory and performance. A system unit equipped with the card—and supported by the appropriate hardware and software—can be used in schools to teach music appreciation. At home, the card can allow you to practice in solo or ensemble performances. Since the sound produced is of professional quality, the IBM PC Music Feature can even be used in concerts.

Compose and revise music with appropriate software. Everyone from students to professionals can use their computers to compose original musical scores. The IBM PC Music Feature works with software to display on-screen the notes played from the music keyboard. The notes can then be recorded, replayed, edited, even printed as sheet music. If you see an arpeggio that's not quite right, change it on the spot and immediately hear—and see—each instrument play the corrected part.

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Highlights

The IBM PC Music Feature generates sound through FM synthesis—using the Musical Instrument Digital Interface to produce in stereo any musical note in its repertoire. Using MIDI, the feature can produce up to 336 instrumental sounds in any musical style, from jazz and swing to ragtime, rock or classical.

MIDI compatibility permits your computer to perform as a music synthesizer, or lets you plug your own MIDI synthesizer into the adapter.

Eight notes at a time can be played from 336 available instruments or sounds. You can produce the sounds of a guitar or piano, or even of ensembles by mixing in a flute, trumpet or zither. Add a second music feature card to your system, and you can orchestrate as many as 16 different instruments on your computer.

Four connections on each adapter allow flexibility in the output of sound. You can plug in a music synthesizer, sequencer, or even a MIDI guitar. Then use headphones, or a combination of amplifier and speakers connected to the card, to hear music in perfect harmony with your budget.

Record/playback function allows you to replay music on the computer. The music you create or record can be stored on diskette or hard disk and played back. For instance, with appropriate software, you can play an hour's worth of music on a 3.5-inch diskette and 35 minutes' worth on a 5.25-inch diskette.

What you get

The IBM PC Music Feature comes in a single package that contains:

- Adapter card
- MIDI adapter unit
- Two "Testing Your System" update diskettes (one 3.5-inch, one 5.25-inch)
- Installation Guide

Hardware/software compatibility

The IBM PC Music Feature, which can be installed in any open, full-length slot in a supported system unit, is compatible with a variety of IBM PC options. Several software companies have informed IBM that they plan to publish programs that will support the IBM PC Music Feature.

Warranty/Service

Every IBM product is built to meet high standards of quality and reliability. The IBM PC Music Feature is backed by a one-year limited warranty. And extended service terms for computer systems are available from IBM and from IBM Authorized Remarketers.

With an IBM Maintenance Agreement on your system, you can arrange for on-site service.

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IBM PC Music Feature at a glance

Description	A full-length option card that generates the musical sounds of 336 different voices or instruments. Up to two cards may be installed in full-length slots within a system unit. The IBM PC Music Feature conforms to FCC Class B specifications.
Interface	Musical Instrument Digital Interface 1.0
Sound quality	Stereo FM synthesized sound 336 different voices/instruments available (240 preset on feature, 96 user-programmable) Up to eight notes can be played simultaneously
Attachments supported	One input for MIDI device interface One output for headphones Two connections for stereo output (left and right channels) MIDI adapter unit with three connections (MIDI in, out and through)
Hardware required	IBM PC, PC XT, PC XT Model 286, Personal Computer AT, [©] or IBM Personal System/2 Model 30 Audio output device (stereo headphones, amplifier with speakers) MIDI input device such as a MIDI music keyboard or sequencer recommended
Software required	DOS 2.10 or higher Additional software required for music recording, composing and editing
Specifications	4.24" H x 0.8" W x 13.26" L (107.95mm x 20.32mm x 336mm) Weight—12 ounces (340g)



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